

WHAT IS CLAIMED IS:

1. An electric power tool comprising:

a tool unit having a tool body and a coupling member connected to a bottom
5 side of said tool body, said coupling member having inside a receiving chamber
defining a bottom opening and a lateral opening respectively at a bottom side and a
lateral side of said coupling member, said bottom and lateral openings being in
communication with each other, said coupling member having two conjunct grooves
respectively positioned at bilateral sides of said chamber, said two conjunct grooves
10 being parallel to each other and defining two openings facing to each other, said two
conjunct grooves respectively defining two insertion holes at the same side of said
coupling member, said two insertion holes facing said lateral opening, said coupling
member having two curbs positioned inside said chamber and respectively at lower
sides of said two conjunct grooves, each of said two curbs defining a root end and a free
15 end, said two free ends facing to each other, each of said two curbs having a guide
surface extending from said free end towards said lateral opening and said root end; and
a battery pack having a housing and two locking members, said housing having
a battery compartment inside and a top cover on which two parallel conjunct rails and
two slots are formed, each of said two conjunct rails having a root portion and a rail
20 portion, said two rail portions respectively extending from top sides of said two root
portions towards opposite directions, said two slots being in communication with said
battery compartment, said housing having two cavities at two opposite sides thereof,
each of said two cavities having a through hole in communication with said battery
compartment, each of said two locking members having a button, a locking portion, and
25 an arm portion interconnecting said button and said locking portion, said two locking

members being respectively connected to said housing to enable said two buttons respectively to be positioned inside said two cavities, to enable said two arm portions to be inserted into said two through holes, and to enable said two locking portions to respectively pass through and protrude out of said top cover to be further positioned
5 under said two rail portions of said two conjunct rails.

2. The electric power tool as defined in claim 1, wherein said coupling member of said tool unit comprising a pair of skeleton members positioned respectively at bilateral sides of said chamber, said two skeleton members extending from an end in
10 proximity of said lateral opening towards the other end of said coupling member, said two conjunct grooves being respectively formed on said two skeleton-like members and parallel extending from an end in proximity of said lateral opening towards the other end of said coupling member, each of said two insertion holes of said two conjunct grooves being positioned at an end abutting said lateral opening.

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3. The electric power tool as defined in claim 1, wherein said tool unit further comprises an electrical contact positioned inside said chamber; said battery pack comprises a power output contact disposed on said housing in corresponding position to said electrical contact.

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4. The electric power tool as defined in claim 3, wherein said battery pack further comprises a set of battery cells fixedly mounted inside said battery compartment, an electrode of said battery cells being electrically connected with said power output contact.

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5. The electric power tool as defined in claim 1, wherein said two cavities respectively define two openings at two lateral symmetrical sides of said housing; each of said buttons has a main body having an interior surface and an exterior surface; each of said two arm portions interconnects said interior surface of said main body and said locking portion; when said two locking members are connected to said housing, said two exterior surfaces of said two main bodies are exposed respectively outside said two openings of said two cavities.

6. The electric power tool as defined in claim 5, wherein said battery pack further comprises two springs positioned respectively inside said two cavities, each of said two springs contacting against a bottom side of said corresponding cavity and said interior surface of said main body of said corresponding button respectively at two ends.